

VPCZ21SHX/X



Born from a legacy of engineering innovation, the all new VAIO® Z Series introduces the next evolution in ultra-portable laptops by featuring 2nd generation Intel® Core™ i7 processor & a fully powered dock with AMD® graphics and more. Plus the Z Series can even deliver up to 14 hours of combined battery life (with optional extended battery)⁹.

All Day Mobility

Leveraging the latest innovations in lithium polymer technology, the battery of the Z Series supplies up to 7 hours⁹ of battery life. This concept even extends to the all-new large capacity sheet battery by attaching directly to the standard capacity battery and by working in tandem with it. Enjoy up to 14 hours of total combined battery life (with optional extended battery) – helping to keep you unplugged longer⁹.

Power When You Need It

Leveraging the latest I/O architecture, the Power Media Dock™ station is a performance factory delivering the horsepower your day demands through one unique and familiar port. Featuring a powerful AMD® Radeon™ HD 6650M graphics card with 1GB VRAM, you'll experience premium visual quality and intense HD performance without placing huge demands on the CPU. The Power Media Dock™ station even includes a slot loading Blu-ray Disc™ player/burner, a USB 3.0 port, and HDMI® output.

Performance When You Need It

For the most visible difference in multitasking or HD multimedia, get the processor with top-of-the-line performance you can truly see and feel. With our best set of features for the speediest and most responsive experience, the 2nd generation Intel® Core™ i7 processor – with clock speeds up to 3.40GHz with Intel® Turbo Boost Technology - is the ideal choice for whatever you want to do. It's visibly smart performance at its best.

The VAIO® Z Series combines all the elements of design, performance, and mobility into a thin and lightweight 13.1 inch profile. The Z Series is a no compromise laptop that provides stunning design, absolute power, absolute mobility and is the most powerful ultra mobile VAIO PC.

Specifications

Processor	
Processor Type	Intel® Core™ i7-2620M
Processor Technology	Dual Core
Processor Speed	2.70GHz ¹ with Intel® Turbo Boost Technology up to 3.40GHz ²
Processor Cache	4MB
Display	
Screen Size	13.1"
Resolution	1920 x 1080
Display Technology	Full HD
Backlight Technology	LED
Memory	
Installed Memory	8GB (4GB x 2)

Memory Type/Speed	DDR3/1333MHz
Max. Memory	Fixed Onboard
Graphics	
Graphics Processor	Intel® HD Graphics 3000
Graphics Video RAM	Internal ⁵
Storage	
Storage Type	Solid State Drive
Storage Capacity	512GB ⁴
Storage Technology	RAID 0 x 2
Optical Drive	
Optical Drive Type	External Power Media Dock™ with slot loading Blu-ray Disc™ Player / Burner
Hardware	
Camera	Built-in HD web camera powered by Exmor™ sensor and microphone
Keyboard	QWERTY, 83 keys with 1.0mm stroke and 19.45mm pitch
Backlit Keyboard	Yes
Audio	
Sound System	Intel® High Definition Audio with Dolby® Home Theater® Technology v4
Inputs and Outputs	
DC-In	1
USB 2.0	1
VGA Output(s)	1
Headphone Output	1
Secure Digital (SD) Slot	1
Port Replicator Connector(s)	1
HDMI® Output(s)	1
Memory Stick Duo™	1
Wireless/Networking	
Bluetooth® Technology	Bluetooth Integrated Stereo A2DP (2.1 + EDR)
Ethernet Protocol	1000BASE-T/100BASE-TX/10BASE-T
WiFi Adapter	Intel® Centrino® Advanced-N 6230
WiDi Ready	Yes - Intel® Wireless Display Technology ⁸
Mobile Broadband	AT&T and Sprint Wireless Mobile Broadband Built-In ¹⁰
Share My Connection™	Yes
GPS	Yes
Global Roaming	Yes
Software	
Operating System	Genuine Windows® 7 Ultimate with Service Pack 1 64-bit
Supplied Software	Microsoft® Office Starter with reduced-functionality versions of Word and Excel ⁶ , VAIO Care™, Media Gallery™, PMB - VAIO Edition
Adobe® Creative Software	Adobe Acrobat® Standard 9.0
Anti-Virus Software	Norton Internet Security™ 2011 30-Day Trial Offer ¹¹
Sony Imagination Studio Suite 2 - VAIO Edition	Vegas® Movie Studio HD Platinum 10.0, DVD Architect Studio 5.0, ACID® Music Studio 8.0, Sound Forge® Audio Studio 10.0, Photo Go 1.0
Service and Warranty Information	
Toll-Free Phone Support	888-476-6972 ⁷

Onsite/In-Home Service	Yes ¹²
International Service	Yes
Limited Warranty Term	1 Year
Priority Phone Support	239-768-7605 ⁷
Environmental Information	
ENERGY STAR®	5.0
EPEAT™	Gold
ROHS®	Compliant
Weights and Measurements	
Dimensions (Approx.)	13.00" (W) x 0.66" - 0.98" (H) x 8.27" (D)
Weight (Approx.)	2.57 lbs. (with Internal Battery), 3.65 lbs. (with optional Sheet Battery)
Power	
Battery Type	Internal Lithium Polymer Battery + Sheet Lithium Polymer Battery (4000mAh + 4400 mAh)
Default Brightness	Up to 14 hours ⁹
Maximum Brightness	Up to 12 hours ⁹
General	
Security	Biometric Fingerprint Sensor, Trusted Platform Module (TCG ver. 1.2 certified)
Action Buttons	VAIO, ASSIST, WEB, Wireless On/Off
Pointing Device	Touchpad (Gesture supported)
Accessories	
Supplied Accessories	Internal Lithium Polymer Battery + Sheet Lithium Polymer Battery (4000mAh + 4400 mAh), AC Adapter, Power Cord, Battery Charger Adapter, Power Media Dock™ with Stand, AC Adapter, and Power Cord, Digital Noise Cancelling Earbuds, Cleaning Cloth

Power Media Dock™ (PMD)	
PMD Graphics Processor	AMD Radeon™ HD 6650M
PMD Graphics Video RAM	1GB Dedicated
PMD Optical Drive Type	Slot loading Blu-ray Disc™ Player / Burner
PMD HDMI® Output(s)	1
PMD VGA Output(s)	1
PMD USB 2.0	2
PMD USB 3.0	1
PMD Port Replicator Connector(s)	1
PMD Ethernet Protocol	1000BASE-T/100BASE-TX/10BASE-T
PMD Dimensions (Approx.)	5.83" (W) x 0.66" (H) x 8.67" (D)
PMD Weight (Approx.)	1.52 lbs.
PMD Supplied AC Adapter	VGP-AC19V46
PMD Input Voltage	AC 100-240V
UPC	027242837904



1. GHz denotes maximum microprocessor internal clock speed and may vary based on application.
2. Requires a system with Intel® Turbo Boost Technology capability. Intel Turbo Boost Technology 2.0 is available only on 2nd generation Intel® Core™ i5 and Core™ i7 processors. Performance varies depending on hardware, software and system configuration.
3. Available on select Intel® Core™ processors. Requires an Intel® HT Technology enabled system. Performance will vary depending on the specific hardware and software used.
4. 1 GB = one billion bytes. Actual formatted capacity will be less.
6. This PC is preloaded with reduced-functionality versions of Word and Excel that include advertising. Purchase an Office 2010 Product Key to activate full-featured Office software on this PC.
7. For some third party software, Sony provides initial support. Additional support may be available from the applicable vendor. Availability may vary by vendor.
9. Estimates based upon Sony engineering testing. Actual performance varies based on settings, environmental conditions, configurable options and usage. Battery capacity decreases over time and use.
10. Mobile Broadband service sold separately.
11. Norton™ Internet Security 2011 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.

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12. Availability may be limited. See limited warranty for details.

Specifications subject to change. Non-metric weights and measures are approximate.

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This product meets the standards of the International Energy Star Program for energy efficiency.

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